

C. Stroup

# 7 SK  
8/08/00

1633

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/455,630

DATE: 07/07/2000  
TIME: 08:23:51

Input Set : A:\20076.txt  
Output Set : N:\CRF3\07072000\I455630.raw

4 <110> APPLICANT: Qingyun, Liu  
5 McDonald, Terrence P.  
6 Bailey, Wendy J.  
7 Davidoff, Michael J.  
9 <120> TITLE OF INVENTION: G-Protein Coupled Receptor HG31,  
10 Polynucleotides Encoding the Receptor and Uses Thereof  
13 <130> FILE REFERENCE: 20076  
15 <140> CURRENT APPLICATION NUMBER: 09/455,630  
16 <141> CURRENT FILING DATE: 1999-12-07  
18 <150> PRIOR APPLICATION NUMBER: 60/111,432  
19 <151> PRIOR FILING DATE: 1998-12-08  
21 <160> NUMBER OF SEQ ID NOS: 10  
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
25 <210> SEQ ID NO: 1  
26 <211> LENGTH: 1790  
27 <212> TYPE: DNA  
28 <213> ORGANISM: Homo Sapiens  
30 <400> SEQUENCE: 1  
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32 ctccctgggt cagcgtatct tcctgcctca gcctctctgag tagctgggac tacaggcgcc 120  
33 cgccaccacg cctggcctaatt ttttttgat ttttagtagg gacggcggtt cactgtgtta 180  
34 gccagatggt ctccgtctcc cgacctcgtg atccacccac ctgggcttcc caaagtgtctg 240  
35 ggattacagg cgtgagccac cgcgccccgc caatttcctt tcttaattgc ctctgcccac 300  
36 ctcttctctt ctgcttccat attacagggt catcatgaat gagaaatggg acacaaaactc 360  
37 ttcagaaaac tggcatccca tctggaatgt caatgacaca aagcatcatc tgtactcaga 420  
38 tattaatatt acctatgtga actactatct tcaccagcct caagtggcag caatcttcat 480  
39 tatttctctac tttctgatct tctttttgtg catgatggga aatactgtgg tttgctttat 540  
40 tgtaatgagg aacaaacata tgcacacagt cactaatctc ttcattctaa acctggccat 600  
41 aagtgaattta ctagtgtgca tattctgcat gcctataaca ctgctggaca atattatagc 660  
42 aggatggcca tttggaacaa cgatgtgcaa gatcagtgga ttggtccagg gaatatctgt 720  
43 cgcagcttca gtctttacgt tagttgcaat tgctgtagat aggttccagt gtgtggtcta 780  
44 cctttttaaa ccaaagctca ctatcaagac agcgtttgtc attattatga tcatctgggt 840  
45 cctagccatc accattatgt ctccatctgc agtaatgtta catgtgcaag aagaaaaata 900  
46 ttaccgagtg agactcaact ccacagaataa aaccagtcca gtctactggt gccgggaaga 960  
47 ctggcccaat caggaaatga ggaagatcta caccactgtg ctgtttgccca acatctacct 1020  
48 ggtctccctc tccctcattg tcatcatgta tggaaaggatt ggaatttcac tcttcagggc 1080  
49 tgcagttcct cacacaggca ggaagaacca ggagcagtggt cacgtggtgt ccaggaagaa 1140  
50 gcagaagatc attaatgagc tcttgattgt ggccctgctt tttattctct catggctgcc 1200  
51 cctgtggact ctaatgatgc tctcagacta cgtgacctt tctccaaatg aactgcagat 1260  
52 catcaacatc tacatctacc cttttgcaca ctggctggca ttcggcaaca gcagtgtcaa 1320  
53 tcccatcatt tatgtttct tcaacgagaa tttccgcccgt ggtttccaag aagctttcca 1380  
54 gctccagctc tgccaaaaaa gagcaaaagc tatggaagct tatgccctaa aagctaaaaa 1440  
55 ccatgtgctc ataaacacat ctaatcagct tgtccaggaa tctacatttc aaaacctca 1500  
56 tggggaaacc ttgctttata ggaaaagtgc tgaaaaaccc caacaggaaat tagtgatgga 1560  
57 agaattaaaa gaaactacta acagcagtgga gatttaaaaa gagctagtgt gataatccta 1620  
58 actctactac gcattatata tttaaatcca ttgctttttg tggttttgca cttcaaat 1680  
59 ttcaagaat gttttaataa aaacatttac tgaaagccct gtctggcaaa caaattaaaa 1740

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60 ataaacaaaa atggtcataa gatcataaac aatcttatgt tgtataaaag      1790
62 <210> SEQ ID NO: 2
63 <211> LENGTH: 420
64 <212> TYPE: PRT
65 <213> ORGANISM: Homo Sapiens
67 <400> SEQUENCE: 2
68 Met Asn Glu Lys Trp Asp Thr Asn Ser Ser Glu Asn Trp His Pro Ile
69 1 5 10 15
70 Trp Asn Val Asn Asp Thr Lys His His Leu Tyr Ser Asp Ile Asn Ile
71 20 25 30
72 Thr Tyr Val Asn Tyr Tyr Leu His Gln Pro Gln Val Ala Ala Ile Phe
73 35 40 45
74 Ile Ile Ser Tyr Phe Leu Ile Phe Phe Leu Cys Met Met Gly Asn Thr
75 50 55 60
76 Val Val Cys Phe Ile Val Met Arg Asn Lys His Met His Thr Val Thr
77 65 70 75 80
78 Asn Leu Phe Ile Leu Asn Leu Ala Ile Ser Asp Leu Leu Val Gly Ile
79 85 90 95
80 Phe Cys Met Pro Ile Thr Leu Leu Asp Asn Ile Ile Ala Gly Trp Pro
81 100 105 110
82 Phe Gly Asn Thr Met Cys Lys Ile Ser Gly Leu Val Gln Gly Ile Ser
83 115 120 125
84 Val Ala Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Asp Arg Phe
85 130 135 140
86 Gln Cys Val Val Tyr Pro Phe Lys Pro Lys Leu Thr Ile Lys Thr Ala
87 145 150 155 160
88 Phe Val Ile Ile Met Ile Ile Trp Val Leu Ala Ile Thr Ile Met Ser
89 165 170 175
90 Pro Ser Ala Val Met Leu His Val Gln Glu Glu Lys Tyr Tyr Arg Val
91 180 185 190
92 Arg Leu Asn Ser Gln Asn Lys Thr Ser Pro Val Tyr Trp Cys Arg Glu
93 195 200 205
94 Asp Trp Pro Asn Gln Glu Met Arg Lys Ile Tyr Thr Thr Val Leu Phe
95 210 215 220
96 Ala Asn Ile Tyr Leu Ala Pro Leu Ser Leu Ile Val Ile Met Tyr Gly
97 225 230 235 240
98 Arg Ile Gly Ile Ser Leu Phe Arg Ala Ala Val Pro His Thr Gly Arg
99 245 250 255
100 Lys Asn Gln Gln Glu Trp His Val Val Ser Arg Lys Lys Gln Lys Ile
101 260 265 270
102 Ile Lys Met Leu Leu Ile Val Ala Leu Leu Phe Ile Leu Ser Trp Leu
103 275 280 285
104 Pro Leu Trp Thr Leu Met Met Leu Ser Asp Tyr Ala Asp Leu Ser Pro
105 290 295 300
106 Asn Glu Leu Gln Ile Ile Asn Ile Tyr Ile Tyr Pro Phe Ala His Trp
107 305 310 315 320
108 Leu Ala Phe Gly Asn Ser Ser Val Asn Pro Ile Ile Tyr Gly Phe Phe
109 325 330 335
110 Asn Glu Asn Phe Arg Arg Gly Phe Gln Glu Ala Phe Gln Leu Gln Leu

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111          340          345          350
112 Cys Gln Lys Arg Ala Lys Pro Met Glu Ala Tyr Ala Leu Lys Ala Lys
113          355          360          365
114 Ser His Val Leu Ile Asn Thr Ser Asn Gln Leu Val Gln Glu Ser Thr
115          370          375          380
116 Phe Gln Asn Pro His Gly Glu Thr Leu Leu Tyr Arg Lys Ser Ala Glu
117 385          390          395          400
118 Lys Pro Gln Gln Glu Leu Val Met Glu Glu Leu Lys Glu Thr Thr Asn
119          405          410          415
120 Ser Ser Glu Ile
121          420
123 <210> SEQ ID NO: 3
124 <211> LENGTH: 23
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126 <213> ORGANISM: Homo Sapiens
128 <400> SEQUENCE: 3
129 tctgtcgcag cttagcttt tac
131 <210> SEQ ID NO: 4
132 <211> LENGTH: 23
133 <212> TYPE: DNA
134 <213> ORGANISM: Homo Sapiens
136 <400> SEQUENCE: 4
137 actggtttta ttctgggagt tga
139 <210> SEQ ID NO: 5
140 <211> LENGTH: 22
141 <212> TYPE: DNA
142 <213> ORGANISM: Homo Sapiens
144 <400> SEQUENCE: 5
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147 <210> SEQ ID NO: 6
148 <211> LENGTH: 24
149 <212> TYPE: DNA
150 <213> ORGANISM: Homo Sapiens
152 <400> SEQUENCE: 6
153 tgcaactaac gtaaagactg aagc
155 <210> SEQ ID NO: 7
156 <211> LENGTH: 21
157 <212> TYPE: DNA
158 <213> ORGANISM: Homo Sapiens
160 <400> SEQUENCE: 7
161 ctctgcccac ctcttcttt c
163 <210> SEQ ID NO: 8
164 <211> LENGTH: 23
165 <212> TYPE: DNA
166 <213> ORGANISM: Homo Sapiens
168 <400> SEQUENCE: 8
169 agagagggct ttcagtaaat gtt
171 <210> SEQ ID NO: 9
172 <211> LENGTH: 20

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173 <212> TYPE: DNA  
174 <213> ORGANISM: Homo Sapiens  
176 <400> SEQUENCE: 9  
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179 <210> SEQ ID NO: 10  
180 <211> LENGTH: 25  
181 <212> TYPE: DNA  
182 <213> ORGANISM: Homo Sapiens  
184 <400> SEQUENCE: 10  
185 cccaggttt acactttatg cttcc 25

VERIFICATION SUMMARY

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